



PATENT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT : RONALD A. KATZ
SERIAL NO. : 07/803,269
FILED : December 3, 1991
FOR : TELEPHONIC-INTERFACE
STATISTICAL ANALYSIS
SYSTEM
DOCKET NO. : 4646-101NA

EXAMINER: T. BROWN

GROUP NO.: 2601

GROUP 260

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AMENDMENT

September 16, 1992
707 Wilshire Blvd. - Suite 3200
Los Angeles, California 90017

COMMISSIONER OF PATENTS
& TRADEMARKS
Washington, D.C. 20231

Sir:

In response to the Office Action dated April 16, 1992,
please amend the above-identified application as follows:

CERTIFICATE OF MAILING

I hereby certify that this correspondence is
being deposited with the United States Postal
Service on the date shown below with
sufficient postage as first class mail in an
envelope addressed to the Commissioner of
Patents and Trademarks, Washington, DC 20231.

Date: September 16, 1992

Reena Kuyper

Reena Kuyper, Registration No. 33,830

IN THE DRAWINGS:

Please add Figures 6 and 8 from the parent Application, U.S. Serial No. 07/640,337, copies of which are attached herewith.

IN THE SPECIFICATION:

Please amend the specification as indicated below.

In the introductory paragraph of the specification added by the first preliminary amendment of December 3, 1991 (Paper No. 3) replace "continuation" with --divisional-- and replace "U.S. Patent No. 484,739" with --U.S. Patent No. 4,845,739--.

IN THE CLAIMS:

Please cancel Claims 43 and 57, without prejudice, and amend Claims 29, 42, 52, 62, 63, 67, 70 and 71 as follows:

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Cont. 2

1 ~~29.~~ (Amended) A controlled interface system for use with a
2 telephonic communication facility including remote terminals for
3 individual callers, wherein said remote terminals may comprise a
4 conventional telephone instrument, and wherein said telephone
5 communication facility may provide called terminal [digital] DNIS
6 signals [to a called station representative of the called
7 station], said controlled interface system comprising:
8 function unit means for supplying information of various
9 formats, at least one of said formats being associated with an
10 audio of a broadcast;

11 interface means for interfacing said telephonic
12 communication facility with said function unit means for voice
13 and digital communication including means to receive terminal
14 formed digital signals and means to provide signals
15 representative of vocal communication to individual callers; and
16 coupling means for coupling a [specific] caller at a
17 terminal through said interface means to said function unit means
18 for selective communication in accordance with a specific one of
19 said formats under control of said called terminal [digital] DNIS
20 signals.

1 ~~22~~ 42. (Amended) A control system for use with a telephonic
2 communication facility including remote terminals for individual
3 callers, wherein said remote terminals may comprise a
4 conventional telephone instrument, and wherein said facility may
5 provide called terminal [digital] DNIS signals [to a called
6 station representative of the calling station,] said system
7 comprising:

8 function unit means for supplying information of various
9 formats, at least one of said formats being associated with an
10 audio of a broadcast;

11 interface means for interfacing said telephonic
12 communication facility to said function unit means for voice
13 communication including means to receive terminal formed digital
14 signals and means to provide signals representative of vocal
15 communication to individual callers; and

16 call distribution means for coupling a specific caller at a
17 terminal through said interface means to said function unit means
18 for communication in accordance with a specific one of said
19 formats, further wherein said distribution means includes a
20 multiplicity of inputs for selectively receiving [a plurality of]
21 calls to be [selectively] coupled to said function unit means
22 through said interface means in accordance with said called
23 terminal [digital] DNIS signals.

1 ^{2352.} (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals;

13 voice generator structure coupled through said
14 interface structure for actuating said remote terminals as
15 to provide voice operating instructions to said individual
16 callers;

17 record structure, including memory and control means,
18 connected to receive said caller data signals from said
19 interface structure for initiating a file and storing
20 digital caller data relating to said individual callers
21 provided from said digital input means through said
22 interface structure; and

23 qualification structure controlled by said record
24 structure for testing caller data signals provided by at
25 least one of said individual callers to specify a consumable
26 participation key for restricting the extent of access to
27 said system by said one of said individual callers to limit
28 data stored for said one of said individual callers on the
29 basis of entitlement.

1 ~~3262.~~ (Twice Amended) An analysis control system for use
2 with a communication facility including remote terminals for
3 individual callers, wherein each of said remote terminals may
4 comprise a conventional telephone instrument including voice
5 communication means and digital input means in the form of an
6 array of alphabetic numeric buttons for providing data and
7 wherein said communication facility has a capability (ANI) to
8 provide terminal digital data, for example, indicating [the]
9 calling number, said analysis control system comprising:

10 interface structure coupled to said communication
11 facility to interface each of said remote terminals for
12 voice and digital communication, and including means to

1 provide signals representative of data developed by said
2 remote terminals and said terminal digital data indicative
3 of the calling number using said capability (ANI);

4 voice generator structure coupled through said
5 interface structure for actuating said remote terminals as
6 to provide vocal operating instructions to said individual
7 callers;

8 record structure, including memory and control means,
9 connected to said interface structure for initiating a file
10 and storing data relating to certain select ones of said
11 individual callers in accordance with said terminal digital
12 data;

13 qualification structure controlled by said record
14 structure for restricting the extent of access to said
15 system by said individual callers; and

16 designation structure coupled to said interface
17 structure and said record structure for assigning individual
18 designations to said individual callers and storing said
19 designations in said record structure.

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cont
1 ~~33 63.~~ (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of

1 alphabetic numeric buttons for providing data, said analysis
2 control system comprising:

3 interface structure coupled to said communication
4 facility to interface each of said remote terminals for
5 voice and digital communication, and including means to
6 provide caller data signals representative of data relating
7 to each of said individual callers developed by said remote
8 terminals;

9 record structure, including memory and control means,
10 connected to receive said caller data signals from said
11 interface structure for initiating a file and storing caller
12 data relating to certain select ones of said individual
13 callers, said record structure including means for recording
14 a telephone identification number for each of said remote
15 terminals as used by each respective one of said individual
16 callers; and

17 qualification structure controlled by said record
18 structure for testing caller data signals provided by [each]
19 at least one of said individual callers to specify a
20 consumable participation key for restricting the extent of
21 access to said system by said one of said individual callers
22 to limit data stored for [each] said one of said individual
23 [caller] callers on the basis of entitlement.

1 37. ~~67.~~ (Amended) A system according to claim [58] ~~66~~³⁶ further
2 including qualification structure controlled by said record

1 structure for restricting the extent of access to said system to
2 select certain of said individual callers, each of said certain
3 individual callers having a valid consumable participation key.

1 ~~4070~~. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and digital
10 communication, and including means to provide caller data signals
11 representative of data relating to said callers developed by said
12 remote terminals;

13 voice generator structure coupled through said interface
14 means for actuating said remote terminals as to provide vocal
15 operating instructions to [one of] said individual callers;

16 record structure, including memory and control means, for
17 storing answer data signals and identification data signals for
18 specific individual callers including each specific caller's
19 telephone number and any of the following: name, address or
20 physical characteristics;

21 designation structure coupled to said interface structure
22 and said record structure for developing individual designations

1 for said individual callers and storing said designations in said
2 record structure; and

3 acknowledgement means for confirming caller designations as
4 provided to said individual callers.

1 ~~41~~ 71. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data and wherein said
7 communication facility has a capability to provide terminal
8 digital data, for example, indicating [the] a calling number,
9 said analysis control system comprising:

10 interface structure coupled to said communication facility
11 to interface said remote terminals for voice and digital
12 communication and including means to provide caller data signals
13 representative of data relating to said individual callers
14 developed by said remote terminals and said terminal digital
15 data;

16 analysis structure for processing said caller data signals;
17 structure for controlling said analysis structure in
18 accordance with said terminal digital data; and

19 qualification structure to test caller data signals
20 specifying a consumable participation key as provided from at
21 least one of said remote terminals.

REMARKS

The Office Action mailed on April 16, 1992, and the Examiner Interview Summary Record mailed May 12, 1992 have been carefully considered. Claims 29-73 are pending in this application. Claims 60, 66, 68, 69 and 73 are allowed and Claims 29-59, 61-65, 67 and 70-72 stand rejected. Reconsideration of this application in light of the foregoing amendments and arguments in support thereof is earnestly solicited.

Discussion of the Drawings

In paragraph 1 of the Office Action, the Examiner indicated that the application was filed without copies of Figures 6 and 8 of the drawings from the parent Application U.S. Serial No. U.S. Serial No. 07/640,337. Copies of Figures 6 and 8 inadvertently omitted at the time of filing the subject divisional application are respectfully submitted herewith.

Discussion of the Requirement of a Supplemental Declaration

In paragraph 3 of the Office Action, the Examiner indicated that in view of additional subject matter obviously claimed in this application, a supplemental declaration is required. It is respectfully submitted that a supplemental declaration is in the process of being executed and will be transmitted to the United States Patent and Trademark Office in due course.

Discussion of the Amendments to the Specification

In paragraph 4 of the Office Action, the Examiner indicated two errors. Accordingly, in the introductory paragraph of the specification added by the first preliminary amendment of December 3, 1991 (Paper No. 3) "continuation" has been replaced with --divisional-- and "U.S. Patent No. 484,739" has been replaced with --U.S. Patent No. 4,845,739--.

Discussion of the 35 U.S.C. § 112 Rejection of Claims 29-59, 61, 63-65, 67 and 70-72

In paragraph 5 of the Office Action, the Examiner objected to the disclosure for failing to provide an adequate written description and enabling disclosure of various aspects of the claims. In paragraph 6, Claims 29-59, 61, 63-65, 67 and 70-72 were rejected under 35 U.S.C. § 112, first paragraph for the reasons set forth in the objection to the specification.

In particular, in paragraph 5, the Examiner states that Claim 29 refers to "provision by the "communication facility" of "called terminal signals to a called station representative of the called station," and there "obviously is no "called station" per se in the described system which actually receives the DNIS signals." Claim 29 has been amended to exclude the reference to a "called station" and now recites called terminal --DNIS-- signals instead of "digital" signals. With respect to the Examiner's rejection of Claim 29 based upon the word "specific"

and its implication, Claim 29 has been amended to delete "specific."

In response to the Examiner's rejection of Claim 42, Claim 42 has been amended by deleting "to a called station representative of the calling station" and "digital" signals has been replaced with --DNIS-- signals. At lines 21-23 of Claim 42, the recitation that a plurality of calls be selectively coupled to the function unit means in accordance with the called terminal digital signals has been amended to recite "a multiplicity of inputs for --selectively-- receiving calls to be coupled to said function unit means through said interface means in accordance with said called terminal digital signals."

With respect to Claims 29 and 42, the Examiner further contends that the term "audio broadcast" is not found in the text. Claims 29 and 42 have been amended to recite an audio --of a-- broadcast, support for which is found at page 43, lines 17-20.

It is assumed that the Examiner intended to question support for lines 23-24 of Claim 52 rather than Claim 50, in response to which Claim 52 has been amended to recite --at least one of-- said individual callers to specify a consumable participation key. Claims 63, 67 and 71 have been amended in a similar manner.

To overcome the Examiner's rejection of Claim 70, the words "one of" have been deleted.

In the Examiner Interview Summary Record, the Examiner indicated that in Claim 71, "the calling number" lacks antecedent

basis. Claims 71 has been amended to recite --a-- calling number.

Allowance of Claims 29-59, 61, 63-65, 67 and 70-72 is respectfully requested.

Discussion of the 35 U.S.C. § 112, Second Paragraph,

Rejection of Claims 42 and 62

In paragraph 7, the Examiner rejected Claims 42 and 62 under 35 U.S.C. § 112, second paragraph. The Examiner indicated that Claims 42 and 62 lack antecedent bases for "the calling station" and "the calling number," respectively. In Claim 42 the reference to "the calling station" has been deleted and in Claim 62 "the calling number" has been amended to --a-- calling number.

Allowance of Claims 42 and 62 is respectfully requested.

Other Comments

Claims 29-59, 61, 63-65, 67 and 70-72 define various novel combinations distinct from the prior art, some of which combinations include DNIS and the consumable key feature.

In paragraph 11 of the Office Action, the Examiner notes that until the Amendment requesting cancellation of the corresponding claims in parent Application Serial No. 335,923 is entered, there remains a potential for conflict between the claims of the two cases and as long as the subject claims remain in the '923 case, the claims cannot be allowed in this one.

Under 37 C.F.R. § 1.116 amendments canceling claims may be made after final rejection, in accordance with which practice cancellation of the claims in the parent case was duly requested. In any event, the Appeal Brief in parent Application Serial No. 335,923 has been filed in the U.S. Patent and Trademark Office.

In addition, Applicant intends to introduce additional claims directed to other patentable combinations in a supplemental amendment, which will be filed shortly hereafter.

SUMMARY

Based upon the foregoing amendments and arguments in support thereof, Applicant respectfully submits the present application is in condition for allowance. Applicant therefore respectfully requests reconsideration of this application and that the application be passed to issue.

Respectfully submitted,

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Docket No. 4646-101NA

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